

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2704984

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT										
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNOR: ECOMOMIDES, ARIS N. previously recorded on Reel 032020 Frame 0441. Assignor(s) hereby confirms the ASSIGNOR: ECONOMIDES, ARIS N..										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>ARIS N. ECONOMIDES</td> <td>01/16/2014</td> </tr> <tr> <td>DAVID M. VALENZUELA</td> <td>01/14/2014</td> </tr> </tbody> </table>		Name	Execution Date	ARIS N. ECONOMIDES	01/16/2014	DAVID M. VALENZUELA	01/14/2014				
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ARIS N. ECONOMIDES	01/16/2014										
DAVID M. VALENZUELA	01/14/2014										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>REGENERON PHARMACEUTICALS, INC.</td> </tr> <tr> <td>Street Address:</td> <td>777 OLD SAW MILL RIVER ROAD</td> </tr> <tr> <td>City:</td> <td>TARRYTOWN</td> </tr> <tr> <td>State/Country:</td> <td>NEW JERSEY</td> </tr> <tr> <td>Postal Code:</td> <td>10591-6707</td> </tr> </table>		Name:	REGENERON PHARMACEUTICALS, INC.	Street Address:	777 OLD SAW MILL RIVER ROAD	City:	TARRYTOWN	State/Country:	NEW JERSEY	Postal Code:	10591-6707
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Street Address:	777 OLD SAW MILL RIVER ROAD										
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13164176</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13164176						
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CORRESPONDENCE DATA											
<p>Fax Number: (617)832-7000 Phone: 617 832 1000 Email: wherron@foleyhoag.com <i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i> Correspondent Name: FOLEY HOAG LLP Address Line 1: 155 SEAPORT BLVD Address Line 2: PATENT DEPT Address Line 4: BOSTON, MASSACHUSETTS 02210-2600</p>											
ATTORNEY DOCKET NUMBER:	RPB-001.03										
NAME OF SUBMITTER:	WENDY HERRON										
Signature:	/Wendy Herron/										

PATENT

Date:

01/30/2014

Total Attachments: 6

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT2692573

SUBMISSION TYPE:	NEW ASSIGNMENT										
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ATTORNEY DOCKET NUMBER:	RPB-001.03										
NAME OF SUBMITTER:	WENDY HERRON										
Signature:	/Wendy Herron/										
Date:	01/22/2014										

ASSIGNMENT

I, David M. Valenzuela, for valuable consideration received from **REGENERON PHARMACEUTICALS, INC.**, a corporation organized and existing under the laws of the State of New York, with offices at 777 Old Saw Mill River Road, Tarrytown, New York 10591-6707, U.S.A., the receipt of which is hereby acknowledged, have sold, assigned, transferred, and do hereby sell, assign and transfer unto said

REGENERON PHARMACEUTICALS, INC.

its successors and assigns, my entire right, title and interest for all countries in and to any and all inventions which are disclosed and claimed, and any and all inventions which are disclosed but not claimed, in the following patents and patent applications:

- U.S. Patent Application Number 09/784,859, filed on February 16, 2001 and issued as U.S. Patent Number 6,596,541 on July 22, 2003;
- U.S. Patent Application Number 10/076,840, filed on February 15, 2002 and issued as U.S. Patent Number 7,105,348 on September 12, 2006;
- U.S. Patent Application Number 11/595,427, filed on November 9, 2006;
- U.S. Patent Application Number 13/154,976, filed on June 7, 2011;
- U.S. Patent Application Number 13/164,176, filed on June 20, 2011 and issued as U.S. Patent Number 8,502,018;
- U.S. Patent Application Number 13/719,819, filed on December 19, 2012;
- U.S. Patent Application Number 13/719,842 filed on December 19, 2012;
- U.S. Patent Application Number 14/035,432 filed on September 24, 2013;
- U.S. Patent Application Number 14/036,514 filed on September 25, 2013;
- U.S. Patent Application Number 14/036,518 filed on September 25, 2013;
- U.S. Patent Application Number 14/036,530 filed on September 25, 2013;
- U.S. Patent Application Number 14/036,774 filed on September 25, 2013;
- U.S. Patent Application Number 14/036,778 filed on September 25, 2013;
- U.S. Patent Application Number 14/036,784 filed on September 25, 2013;
- U.S. Patent Application Number 14/036,865 filed on September 25, 2013;
- U.S. Patent Application Number 14/036,892 filed on September 25, 2013;
- U.S. Patent Application Number 14/046,279 filed on October 4, 2013;
- U.S. Patent Application Number 14/046,285 filed on October 4, 2013;
- U.S. Patent Application Number 14/046,291 filed on October 4, 2013;
- U.S. Patent Application Number 14/080,114 filed on October 14, 2013;

as well as all divisions, renewals, continuations, and continuations-in-part thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents utility models, and designs which may hereafter be filed for said inventions in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application(s) under the Patent Laws of the United States, the International Convention of 1883 and later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention, or under any other available international agreement or under the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of

industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said inventions in any country or countries foreign to the United States and all extensions, renewals and reissues thereof.

And I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any Official of any country or countries foreign to the United States whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said corporation, its successors and assigns.

January 14 2014
Date

David M. Valenzuela
David M. Valenzuela

ASSIGNMENT

I, Aris N. Economides, for valuable consideration received from **REGENERON PHARMACEUTICALS, INC.**, a corporation organized and existing under the laws of the State of New York, with offices at 777 Old Saw Mill River Road, Tarrytown, New York 10591-6707, U.S.A., the receipt of which is hereby acknowledged, have sold, assigned, transferred, and do hereby sell, assign and transfer unto said

REGENERON PHARMACEUTICALS, INC.

its successors and assigns, my entire right, title and interest for all countries in and to any and all inventions which are disclosed and claimed, and any and all inventions which are disclosed but not claimed, in the following patents and patent applications:

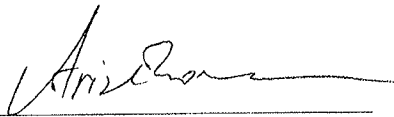
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- U.S. Patent Application Number 14/046,291 filed on October 4, 2013;
- U.S. Patent Application Number 14/080,114 filed on October 14, 2013;

as well as all divisions, renewals, continuations, and continuations-in-part thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents utility models, and designs which may hereafter be filed for said inventions in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application(s) under the Patent Laws of the United States, the International Convention of 1883 and later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention, or under any other available international agreement or under the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of

industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said inventions in any country or countries foreign to the United States and all extensions, renewals and reissues thereof.

And I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any Official of any country or countries foreign to the United States whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said corporation, its successors and assigns.

01/16/2014
Date


Aris N. Economides



13

UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JANUARY 24, 2014

PTAS

FOLEY HOAG LLP
155 SEAPORT BLVD
SEAPORT WORLDTRADE CENTER WEST
BOSTON, MA 02210-2600

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RECORDATION DATE: 01/22/2014

REEL/FRAME: 032020/0441
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: RPB-001.03

ASSIGNOR:
ECOMOMIDES, ARIS N.

DOC DATE: 01/16/2014

ASSIGNOR:
VALENZUELA, DAVID M.

DOC DATE: 01/14/2014

ASSIGNEE:
REGENERON PHARMACEUTICALS, INC.
777 OLD SAW MILL RIVER ROAD
TARRYTOWN, NEW YORK 10591-6707

APPLICATION NUMBER: 13164176
PATENT NUMBER: 8502018
TITLE: METHODS OF MODIFYING EUKARYOTIC CELLS

FILING DATE: 06/20/2011
ISSUE DATE: 08/06/2013

ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION

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PATENT DEPT.
DOCKETING

P.O. Box 1450, Alexandria, Virginia 22313-1450 - WWW.USPTO.GOV

RECORDED: 01/30/2014

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REEL: 032137 FRAME: 0544